

TUNNEL CENTRAL CONTROL SYSTEM

SECTION 1

INTRODUCTION

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SECTION 1 INTRODUCTION

The Washington State Department of Transportation (WSDOT) is requesting proposals for replacing its I-90 Tunnel Central Control System (TCCS). The TCCS will replace the existing I-90 Mount Baker Ridge Tunnel (MBT) and First Hill Lid (FHL) computers. The replacement TCCS will support real-time processing of all communications to the existing I-90 Tunnels' sub-systems.

WSDOT is looking for proposals from organizations that have proven experience in turnkey solutions for tunnel systems control or similar environments.

1-1 PURPOSE OF THIS DOCUMENT

This document sets forth the requirements for the replacement TCCS, including:

- A. Technical requirements for:
 - 1. Functionality
 - 2. Performance
 - 3. Design
 - 4. Equipment
 - 5. Installation, testing, and cutover
 - 6. Training and documentation
- B. Project execution requirements
- C. Requirements for proposals in response to this Request for Proposals
- D. Business and Financial requirements
- E. Basis for award of Contract
- F. Form of Contract

1-2 ORGANIZATION OF THIS DOCUMENT

The remaining sections of this document contain the following sections:

Main Body

Section 2 – Summary of Work

Section 3 – Technical Requirements

Section 4 – Project Execution Requirements

Section 5 – Proposal Process

Section 6 – Business and Financial Requirements

Section 7 – Evaluation and Award Procedures

Technical Appendices

- T-1 I-90 TCCS System Diagram
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- T-9 Source Code for Incident Detection
- T-10 Technical Features Response Form

Administrative Appendices

- A-1 Proposers Reference Form
- A-2 Cost Proposal Form
- A-3 Fixed Bid Certification
- A-4 Notification of Protest
- A-5 Certifications and Assurances
- A-6 Sample Contract
- A-7 Federal Terms and Conditions

1-3 PROJECTED PROCUREMENT SCHEDULE

Issue RFP	June 25, 2003	By 12 NOON
WSDOT Walkthru (Dayton Avenue, MBT & FHL)	July 8 & 9, 2003	<i>MUST SCHEDULE APPOINTMENT</i>
Mandatory Letter of Intent to Propose <i>(FAX & Email acceptable)</i>	July 16, 2003	By 5:00 p.m.
Written Questions Due <i>(FAX & Email Acceptable)</i>	July 16, 2003	By 5:00 p.m.
Responses to written questions sent to Firms <i>(Submitting responses via Amendment #1)</i>	July 31, 2003	By 5:00 p.m.
Proposals Due	Aug 18, 2003	By 5:00 p.m.
Possible Questions Asked of Proposers	Aug 29, 2003	By 5:00 p.m.
Proposer submits Answers to above Questions	Sep 8, 2003	By 5:00 p.m.
First Phase Evaluation Scoring Complete	Sep 17, 2003	By 5:00 p.m.
Notify top qualifiers for proposed solution Presentations	Sep 17, 2003	By 5:00 p.m.
Oral Presentations	Sep 30-Oct 1, 2003	
WSDOT's site visits of the Proposer's current system	Oct 13-17, 2003	
Final Evaluation Completed	Oct 31, 2003	
Send Notification of Apparently Successful Bidder	Oct 31, 2003	
Contract Start Date	November 2003	

Times given are for Pacific Time Zone

1-4 PROJECT SCHEDULE

The following project schedule is anticipated:

Milestone	Date
Issue Request for Proposals	June 25, 2003
Issue Notice to Proceed	November 2003
Complete Preliminary Design Review	March 2004
Complete Final Design Review	May 2004
Complete Factory Acceptance Tests	September 2004
Complete Conditional Acceptance	November 2004
Complete Burn-In Tests and Final Acceptance	May 2005
Complete Documentation and Training	July 2005

END OF SECTION 1